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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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DOGM  
MINERALS PROGRAM  
FILE COPY

September 6, 1989

TO: File

FROM: Scott Johnson, Reclamation Engineer *Scott*

RE: Site Inspection, Hecla Mining Company, Apex Mine, M/053/004, Washington County, Utah

On Friday, September 1, 1989, I stopped at the Apex Mine for the purpose of determining a suitable reclamation estimate. I met with Mr. Louis Knight, Apex Unit Manager, and Mr. Tom Grames, Mine Superintendent, at the plant office. I reviewed the file with Mr. Knight and explained the purpose of my visit. He indicated that St. George Mining Company was in Chapter 11 and anxious to have the \$54,389 Certificate of Deposit (amount and form of surety filed with the Division on August 24, 1984) returned. I explained to Mr. Knight that the Division may require Hecla to submit an MR-REV form.

After our meeting in the main office, Mr. Grames and I drove to the mine site. Mr. Ron Guill, a contractor out of California, was onsite with a crew driving the new escapeway. Mr. Guill had also provided much of the development work for St. George Mining Company. Mr. Guill and his crew will be getting the mine ready for production, which is tentatively scheduled for early 1990.

The following items were noted that will need to be incorporated into the reclamation estimate:

- (1) The buildings are Kirby-type steel buildings that will maintain a salvage value in excess of removal cost. Total area is approximately 2,000 square feet for all buildings at the mine site.
- (2) These buildings, along with concrete mixing equipment, sit on concrete pads which I estimate to be 8 inches thick and covering an area of 3,000 square feet.



Page 2  
Site Inspection  
Hecla Mining Company  
Apex Mine  
M/053/004  
September 6, 1989

- (3) A large rock gabion retaining wall has been constructed at the base of the upper mine waste dump. This structure should be dozed and buried during reclamation.
- (4) Two concrete retaining walls exist on the property. One is located below the rock gabion wall on the main pad, and the second one is located in the ore loadout area. The total volume to be demolished and buried is 80 cubic yards.
- (5) A bone yard exists 300 feet below the main gate. This half-acre area contains drums, transformer carcasses, I-beams, pipe, and other scrap metals and woods.

Although the salvage value will exceed removal cost, revegetation of this area will be included in the reclamation estimate.

- (6) The power is supplied by Utah Power and Light Company. UP&L extended the line to the mine from the plant several years ago. UP&L will be responsible for removal of the poles and lines. The transformers all contain less than 50 ppm PCB's and are marked accordingly (blue stickers).
- (7) Three adits and one shaft will need reclaimed. These include the main portal (100 square feet cross section), a small exhausting adit at the top of the upper mine waste dump (10 square feet cross section), the new escapeway adit (50 square feet cross section), and the old Paymaster shaft (30 square feet cross section).
- (8) The equipment and water tanks will all have salvage value in excess of removal cost. This includes the cement batch equipment, ore crusher facilities, and belt stackers.

jb  
cc: Lowell Braxton  
Wayne Hedberg  
Holland Shepherd  
MN17/65-66